PATENT ABSTRACTS OF JAPAN

(11)Publication number:

02-215807

(43) Date of publication of application: 28.08.1990

(51)Int.CI.

C08F 8/20 C08F 12/00

(21)Application number: 01-036214

(71)Applicant: NIPPON KAYAKU CO LTD

(22) Date of filing:

17.02.1989

(72)Inventor: SHIMOSADA TAKESHI

(54) PREPARATION OF BROMINATED POLYSTYRENE

(57) Abstract:

PURPOSE: To attempt to improve appearance and color by brominating PS in an aliph. halogenated hydrocarbon as a solvent in the presence of a dehydrat ing agent using a specified amt. of a Lewis acid catalyst.

CONSTITUTION: A PS with an MW of 50,000-500,000 is dissolved in an aliph. halogenated hydrocarbon having a b.p. of 100°C or lower and containing 200ppm or less impurity such as water and/or an oxygencontg. org. compd. such as a ketone, such as methylene chloride or ethylene chloride. 0.01-0.05mol of a dehydrating agent such as phosphorus pentaoxide based on one benzene ring and 0.001-0.03mol of a Lewis acid catalyst such as anhydrous AlCl3 based on one benzene ring are added to the soln. and 101-103% Br2 based on the substitut ing molar number is dropped therein at 0-40°C to complete the reaction. Then, HBr is expelled by blowing air therein. After the catalyst is deactivated by adding a small amt. of water, the reacted liq. is dropped in boiling water to crystallize. The solvent is recovered and the crystal is filtered and dried to obtain a white or granular brominated PS.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of

Searching PAJ

rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office